

Practice: 548 - Grazing Land Mechanical Treatment**Scenario: #1 - mechanical less than 5 percent slope****Scenario Description:**

using heavy modified plow or combinations of equipment that modifies physical soil layer or plant conditions on rangelands.

Before Situation:

Desired Ecological plant community is limited by a plant or soil layer that physically restricts change over a threshold.

After Situation:

Desired Ecological plant community has changed by overcoming the threshold or the seeded vegetation establishes and sustains its function and ecological processes for the life of the practice.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 250

Scenario Cost: \$15,197.80

Scenario Cost/Unit: \$60.79

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Grazingland Renovation, Chiseling	2027	Chiseling on existing grazingland including tillage implement, power unit and labor.	Acre	\$16.50	250	\$4,125.00
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$276.82	40	\$11,072.80

Practice: 548 - Grazing Land Mechanical Treatment**Scenario: #2 - Pastureland Mech Treatment****Scenario Description:**

This also applies to organic operations as well. Chisel plowing or subsoiling will be used to break the restrictive layers that will increase water infiltration, break up sod and thatch on introduced forages. Depth of treatment will be 1" deeper than the restrictive layer.

Before Situation:

Forage growth on pastureland is limited by compacted soils layers and /or dense sod with a thatch build up.

After Situation:

Forage growth is increased due to greater rooting depths and water infiltration.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 50

Scenario Cost: \$1,289.82

Scenario Cost/Unit: \$25.80

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Ripper or subsoiler, 16 to 36 inch depth	1235	Deep ripper or subsoiler, (16-36 inches depth) includes tillage implement, power unit and labor.	Acre	\$20.26	50	\$1,013.00
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$276.82	1	\$276.82

Practice: 548 - Grazing Land Mechanical Treatment**Scenario: #3 - mechanical more than 5 percent slope****Scenario Description:**

On the contour, using mechanical equipment or combinations of equipment that modifies physical soil layer or plant conditions on rangeland.

Before Situation:

Desired Ecological plant community is limited by a plant or soil layer that physically restricts change over a threshold.

After Situation:

Desired Ecological plant community has changed by overcoming the threshold or the seeded vegetation establishes and sustains its function and ecological processes for the life of the practice and geomorphology of the site.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 25

Scenario Cost: \$1,357.78

Scenario Cost/Unit: \$54.31

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Grazingland Renovation, Furrowing	2024	Contour furrowing on existing grazingland including tillage implement, power unit and labor.	Acre	\$32.81	25	\$820.25
Materials						
Wire flags	1586	Small vinyl flags attached to wire stakes, typically, 36" in length, for marking tree rows	Each	\$0.09	100	\$9.00
Mobilization						
Mobilization, large equipment	1140	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$528.53	1	\$528.53